

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Spring 2013 Levee Inspection Results****Reclamation District No. 2089 Stark**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2013 Levee Inspection Results**

**Reclamation District No. 2089 Stark**

Waterway				Bank	Unit Miles
Unit No. 01 Old River				Right	1.53
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	05/16/2013 - 05/16/2013				
DWR Inspector	Maksim Khashchuk				
Accompanied By	Kent Gikas RD2089				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River				Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

  

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End					Start	End	Photo
1				Operations & Maintenance Manuals	LS A Ma		°	°	4
DWR ID: DWR_RD2089_01_s_2013_4									
2				Emergency Supplies & Equipment	LS A Ma		°	°	15
DWR ID: DWR_RD2089_01_s_2013_15									
3				Flood Preparedness & Training	LS A Ma		°	°	34
DWR ID: DWR_RD2089_01_s_2013_34									
4	0.00	0.39		Encroachments	LS M En	DT : Ditch Inspector Comments: 05/24/2011 Photo added of Ag ditch.	37.811681 ° -121.384930 °	37.809755 ° -121.391520 °	9 Y
DWR ID: DWR_RD2089_01_s_2012_9									
5	0.03	0.27		Vegetation	LS C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Excessive vegetation on landside slope.	37.811487 ° -121.385479 °	37.810322 ° -121.389407 °	5
DWR ID: DWR_RD2089_01_s_2012_5									
6	0.04	0.04		Trim / Thin Trees	LS C Ma	T1 : Trim trees to at least five feet above ground level. Inspector Comments: 05/24/2011 Issue is unchanged since Fall 2010 inspection photo attached.	37.811467 ° -121.385569 °	37.811467 ° -121.385569 °	3
DWR ID: DWR_RD2089_01_s_2012_3									
7	0.04	0.04		Encroachments	LS A/W En	PI : Pipe Inspector Comments: Drainage pump	37.811467 ° -121.385569 °	37.811467 ° -121.385569 °	7 Y
DWR ID: DWR_RD2089_01_s_2012_7									
8	0.04	0.04		Encroachments	LS M Ma	ST : Stairway Inspector Comments: Steps have been cut into the levee slope, this could become an erosion point, please fill and compact.	37.811474 ° -121.385573 °	37.811474 ° -121.385573 °	1 Y
DWR ID: DWR_RD2089_01_s_2012_1									
9	0.10	0.10		Trim / Thin Trees	LS C Ma	T1 : Trim trees to at least five feet above ground level. Inspector Comments: Two scrub oaks obstruct access to levee slope. 05/24/2011 Issue has not changed since Fall 2010 inspection, photo attached.	37.811272 ° -121.386703 °	37.811272 ° -121.386703 °	935
DWR ID: DWR_RD2089_01_s_2012_935									
10	0.18	0.18		Trim / Thin Trees	LS C Ma	T1 : Trim trees to at least five feet above ground level. Inspector Comments: Trees are blocking visibility and access.	37.810802 ° -121.387969 °	37.810802 ° -121.387969 °	2
DWR ID: DWR_RD2089_01_s_2012_2									
11	0.18	0.18		Animal Control	LS M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.810668 ° -121.387892 °	37.810668 ° -121.387892 °	39 Y
DWR ID: DWR_RD2089_01_f_2012_39									

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

## Reclamation District No. 2089 Stark

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
21	0.39	0.39		Trim / Thin Trees	LS Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	37.809788 ° -121.391490 °	37.809788 ° -121.391490 °	26
DWR ID: DWR_RD2089_01_s_2012_26									
22	0.42	0.48		Trim / Thin Trees	LS Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Trees need to be trimmed to allow visibility and 12 feet over roadway. Too thick to allow access and visibility.	37.809643 ° -121.391869 °	37.809507 ° -121.392907 °	27
DWR ID: DWR_RD2089_01_s_2012_27									
23	0.42	0.48		Vegetation	LS Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation is too thick to allow access and visibility.	37.809593 ° -121.391963 °	37.809507 ° -121.392907 °	28 Y
DWR ID: DWR_RD2089_01_s_2012_28									
24	0.45	0.45	Supplemental	DWR Erosion Survey	WS Ma	Inspector Comments: 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: The site shows loose material around the pipe crossing. The operation of the pipe might have caused certain impact on the levee. [2012 Site ID:RD2089U01RM29.8]	37.809394 ° -121.392791 °	37.809394 ° -121.392791 °	50 Y
DWR ID: DWR_RD2089_01_s_2013_50									
25	0.47	0.47		Encroachments	WSA/W En	PI : Pipe	37.809494 ° -121.392787 °	37.809494 ° -121.392787 °	10 Y
DWR ID: DWR_RD2089_01_s_2012_10									
26	0.47	0.74		Encroachments	WS En	DT : Ditch Inspector Comments: Ditch at toe of levee with a 18 inch pipe in the ditch.	37.809633 ° -121.393141 °	37.809049 ° -121.397425 °	38 Y
DWR ID: DWR_RD2089_01_s_2013_38									
27	0.50	0.50		Trim / Thin Trees	WS Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Trees need to be thinned, too dense to allow access in a flood fight situation. Woody vegetation has been sprayed, but needs to be removed to allow visibility and access.	37.809666 ° -121.393210 °	37.809666 ° -121.393210 °	29
DWR ID: DWR_RD2089_01_s_2012_29									
28	0.50	0.50		Vegetation	LS Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dead growth is too thick to allow access during flood fight situation and completely obstructs visibility of the landside toe.	37.809665 ° -121.393219 °	37.809665 ° -121.393219 °	30 Y
DWR ID: DWR_RD2089_01_s_2012_30									
29	0.56	0.56		Crown Surface / Depressions / Rutting	CR Ma	M C3 : Add appropriate gravel or road base. Grade and compact. Inspector Comments: 11/10/2011 Minor depressions will cause ponding.	37.810087 ° -121.394200 °	37.810087 ° -121.394200 °	14 Y
DWR ID: DWR_RD2089_01_s_2012_14									
30	0.60	0.60		Trim / Thin Trees	LS Ma	T1 : Trim trees to at least five feet above ground level. Inspector Comments: 05/24/2011 Issue remains unchanged since Fall 2010, photo attached.	37.810230 ° -121.394967 °	37.810230 ° -121.394967 °	950
DWR ID: DWR_RD2089_01_s_2012_950									

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River				Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

  

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
31	0.64	1.53		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: 11/10/2011 Waterside vegetation is too thick to allow access and visibility.	37.810048 ° -121.395762 °	37.806534 ° -121.407531 °	18 Y
DWR ID: DWR_RD2089_01_s_2012_18										
32	0.64	0.64		Trim / Thin Trees	LS	C Ma	T1 : Trim trees to at least five feet above ground level.	37.810130 ° -121.395732 °	37.810130 ° -121.395732 °	951 Y
DWR ID: DWR_RD2089_01_f_2012_951										
33	0.66	0.66	Supplemental	DWR Erosion Survey	WS	U Ma	Inspector Comments: 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: The 5-foot vertical scarp shows no significant change from the last year inspection. No new erosion activities observed. Dense white willow trees on site. 09/07/2010: It was difficult to view the erosion due to the thick Willow thickets and other vegetation at the water line. At the time of the inspection, there were no signs of repair on site. As noted during the last survey, there is a 5-foot vertical scarp along the lower slope that may be subjected to high flow velocities. 08/05/2010: Recommended for repair, per CLRO; "Erosion of this site may be subjective to rapid rates of erosion." 09/28/2009: No major change observed; 5-foot vertical scarp is immediately downstream of where berm has tapered; site is recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM29.6, LM0.60; previously rated "U". 11/05/2008: No change observed; rodent holes on lower slope; wide levee crown. [2012 Site ID:RD2089U01RM29.61]	37.809780 ° -121.396230 °	37.809780 ° -121.396230 °	51 Y
DWR ID: DWR_RD2089_01_s_2013_51										
34	0.67	0.68		Vegetation	LS	U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dead brush needs to be removed, too thick to allow access and obstructs visibility of levee slope and toe	37.809975 ° -121.396107 °	37.809822 ° -121.396376 °	31 Y
DWR ID: DWR_RD2089_01_s_2012_31										
35	0.67	0.67		Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Active burrows evident.	37.809974 ° -121.396110 °	37.809974 ° -121.396110 °	32 Y
DWR ID: DWR_RD2089_01_s_2012_32										
36	0.73	0.77		Vegetation	LS	U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: 11/10/2011 Dead vegetation prohibits visibility of the landside toe.	37.809516 ° -121.396955 °	37.808909 ° -121.397557 °	20 Y
DWR ID: DWR_RD2089_01_s_2012_20										
37	0.82	0.82		Encroachments	WSA/W	PI : Pipe En	Inspector Comments: Irrigation intake pump and pipe.	37.808427 ° -121.397827 °	37.808427 ° -121.397827 °	13 Y
DWR ID: DWR_RD2089_01_s_2012_13										

**\* Location**

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**+ Issue Type**

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# Reclamation District No. 2089 Stark

47	1.16	1.16	Encroachments	LS	C Ma	PI : Pipe Inspector Comments: 11/10/2011 Two pieces of DI pipe need to be removed. Creates a possible obstruction to access during a floodfight.	37.805631 ° -121.401142 °	37.805631 ° -121.401142 °	42
							DWR ID: DWR_RD2089_01_s_2012_42		

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	N : Not Inspected/Rated	Ob : Design & System Obsolescence
CR : Crown	M : Minimally Acceptable	En : Enforcement
	C : Corrected	
	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River				Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

  

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
48	1.16	1.16		Encroachments	WSA/W	PI : Pipe Ma		37.805623 ° -121.401207 °	37.805623 ° -121.401207 °	21 Y
DWR ID: DWR_RD2089_01_s_2012_21										
49	1.22	1.22		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Bamboo within top 20' of waterside levee slope.	37.805663 ° -121.402151 °	37.805663 ° -121.402151 °	25 Y
DWR ID: DWR_RD2089_01_s_2012_25										
50	1.25	1.25		Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact. Inspector Comments: 11/10/2011 Depression needs to be filled.	37.805735 ° -121.402614 °	37.805735 ° -121.402614 °	43 Y
DWR ID: DWR_RD2089_01_s_2012_43										
51	1.26	1.26		Trim / Thin Trees	LS	C Ma	T1 : Trim trees to at least five feet above ground level. Inspector Comments: Improvements made, however trees remain obstructive. Updated photo 05/24/2011.	37.805770 ° -121.402790 °	37.805770 ° -121.402790 °	16 Y
DWR ID: DWR_RD2089_01_s_2012_16										
52	1.26	1.26		Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact. Inspector Comments: 11/10/2011 Depression in roadway needs to be filled.	37.805801 ° -121.402913 °	37.805801 ° -121.402913 °	44 Y
DWR ID: DWR_RD2089_01_s_2012_44										
53	1.38	1.38		Crown Surface / Depressions / Rutting	CR	M Ma	C3 : Add appropriate gravel or road base. Grade and compact. Inspector Comments: 11/10/2011 Depression needs to be filled.	37.806128 ° -121.404890 °	37.806128 ° -121.404890 °	45 Y
DWR ID: DWR_RD2089_01_s_2012_45										
54	1.43	1.43		Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: 11/10/2011 No rodents visible, but active burrows are present.	37.806268 ° -121.405874 °	37.806268 ° -121.405874 °	47 Y
DWR ID: DWR_RD2089_01_s_2012_47										
55	1.43	1.43		Encroachments	LS	M Ma	TR : Tree or limb Inspector Comments: 11/10/2011 Downed tree at levee toe prevents access to levee from landside.	37.806266 ° -121.405876 °	37.806266 ° -121.405876 °	46 Y
DWR ID: DWR_RD2089_01_s_2012_46										
56	1.45	1.45		Encroachments	CR	U Ma	PI : Pipe Inspector Comments: 11/10/2011 6" PVC pipe has been placed through the crown of the levee. PVC is not allowed, pipe is cut into the landside slope, encroachment is not permitted.	37.806312 ° -121.406148 °	37.806312 ° -121.406148 °	48 Y
DWR ID: DWR_RD2089_01_s_2012_48										
57	1.46	1.46		Encroachments	LS	M En	PI : Pipe	37.806396 ° -121.406348 °	37.806396 ° -121.406348 °	40 Y
DWR ID: DWR_RD2089_01_s_2012_40										

**\* Location**

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WS : Water Side  
CR : Crown

**\*\* Rating**

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C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
58	1.47	1.47		Animal Control	WS	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Deep burrow on waterside needs to be filled.	37.806383 ° -121.406599 °	37.806383 ° -121.406599 °	49 Y

DWR ID: DWR\_RD2089\_01\_s\_2012\_49

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.39
Location	Land Side
Category	
Item	Encroachments
05/24/2011 Ditch flows parallel with the utility line shown in the photo.	
mkhashch_s_20130225_490.jpg	



Levee Mile Report Line	7
Start Levee Mile	0.04
End Levee Mile	0.04
Location	Land Side
Category	
Item	Encroachments
Waterside of drainage discharge to Old River.	
mkhashch_s_20130225_488.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.04
End Levee Mile	0.04
Location	Land Side
Category	
Item	Encroachments
05/24/2011 Steps are hard to discern in the photo, the top two steps are casting the two shadows located between the post and the photographer's shadow.	
mkhashch_s_20130225_482.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	8
Start Levee Mile	0.04
End Levee Mile	0.04
Location	Land Side
Category	
Item	Encroachments
View of steps in the landside slope just behind the post. 05/24/2012	
mkhashch_s_20130225_483.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.18
End Levee Mile	0.18
Location	Land Side
Category	
Item	Animal Control
View of rodent activity on landside slope.	
mkhashch_s_20130225_517.JPG	



Levee Mile Report Line	13
Start Levee Mile	0.24
End Levee Mile	0.24
Location	Land Side
Category	
Item	Trim / Thin Trees
05/24/2011 Stump shown in center of photo.	
mkhashch_s_20130225_487.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	14
Start Levee Mile	0.24
End Levee Mile	0.24
Location	Land Side
Category	
Item	Vegetation

LMA is actively trying to remove vegetation on the landside toe.

mkhashch\_s\_20130520\_738.JPG



Levee Mile Report Line	15
Start Levee Mile	0.26
End Levee Mile	0.26
Location	Land Side
Category	
Item	Trim / Thin Trees

05/24/2011 Stump is located in center of photo.

mkhashch\_s\_20130225\_489.jpg



Levee Mile Report Line	17
Start Levee Mile	0.27
End Levee Mile	0.39
Location	Land Side
Category	
Item	Vegetation

05/24/2011 Thick brush and wild rose completely block access and visibility of landside slope and toe.

mkhashch\_s\_20130225\_493.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	19
Start Levee Mile	0.34
End Levee Mile	0.34
Location	Land Side
Category	
Item	Vegetation

Arundo has been trimmed back from the road, but needs to be removed to so that it does not obstruct visibility and access to the landside toe.

mkhashch\_s\_20130225\_500.JPG



Levee Mile Report Line	20
Start Levee Mile	0.38
End Levee Mile	0.38
Location	Land Side
Category	
Item	Trim / Thin Trees

Trees on levee slope obstruct access and visibility.

mkhashch\_s\_20130225\_536.jpg



Levee Mile Report Line	23
Start Levee Mile	0.42
End Levee Mile	0.48
Location	Land Side
Category	
Item	Vegetation

05/24/2011 Photo shows thick dead vegetation and continuation of trees in area that are preventing access and visibility of landside slope and toe.

mkhashch\_s\_20130225\_507.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	24
Start Levee Mile	0.45
End Levee Mile	0.45
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site.

mkhashch\_s\_20130225\_529.jpg



Levee Mile Report Line	25
Start Levee Mile	0.47
End Levee Mile	0.47
Location	Water Side
Category	
Item	Encroachments

Irrigation intake pump and pipe at LM 0.46.

mkhashch\_s\_20130225\_491.jpg



Levee Mile Report Line	26
Start Levee Mile	0.47
End Levee Mile	0.74
Location	Water Side
Category	
Item	Encroachments

View of the ditch at the landside levee toe with an 18 inch pipe placed in the ditch, facing downstream. The pipe will be the primary path to convey water for irrigation.

mkhashch\_s\_20130520\_739.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	26
Start Levee Mile	0.47
End Levee Mile	0.74
Location	Water Side
Category	
Item	Encroachments

Another view of the ditch and pipe at the landside toe of the levee, facing upstream.

mkhashch\_s\_20130520\_740.JPG



Levee Mile Report Line	28
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Land Side
Category	
Item	Vegetation

05/24/2011 Dead brush is too thick to allow access and visibility of landside slope and toe.

mkhashch\_s\_20130225\_510.jpg



Levee Mile Report Line	29
Start Levee Mile	0.56
End Levee Mile	0.56
Location	Crown
Category	
Item	Crown Surface / Depressions / Rutting

11/10/2011 Depressions in crown.

mkhashch\_s\_20130225\_495.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	31
Start Levee Mile	0.64
End Levee Mile	1.53
Location	Water Side
Category	
Item	Vegetation
11/10/2011 Vegetation needs to be cleared on the upper 20' of the waterside slope.	
mkhashch_s_20130225_499.jpg	



Levee Mile Report Line	33
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Front view of the site. The scarp is visible on the slope.	
mkhashch_s_20130225_530.jpg	



Levee Mile Report Line	34
Start Levee Mile	0.67
End Levee Mile	0.68
Location	Land Side
Category	
Item	Vegetation
05/24/2011 Vegetation is mostly dead but needs to be removed to allow access and visibility of slope and toe.	
mkhashch_s_20130225_511.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	35
Start Levee Mile	0.67
End Levee Mile	0.67
Location	Water Side
Category	
Item	Animal Control
05/24/2011 Two active burrows shown in photo.	
mkhashch_s_20130225_512.jpg	



Levee Mile Report Line	36
Start Levee Mile	0.73
End Levee Mile	0.77
Location	Land Side
Category	
Item	Vegetation
11/10/2011 Vegetation obstructs visibility of slope and toe.	
mkhashch_s_20130225_501.jpg	



Levee Mile Report Line	37
Start Levee Mile	0.82
End Levee Mile	0.82
Location	Water Side
Category	
Item	Encroachments
Irrigation intake pump and pipe on levee slope.	
mkhashch_s_20130225_494.jpg	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
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N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	38
Start Levee Mile	0.85
End Levee Mile	1.07
Location	Water Side
Category	
Item	Vegetation

View of tall weeds and brush obstructing visibility on waterside slope. 05/24/2012

mkhashch\_s\_20130225\_515.jpg



Levee Mile Report Line	40
Start Levee Mile	0.96
End Levee Mile	0.96
Location	Water Side
Category	
Item	Vegetation

11/10/2011 Arundo on upper 20' of waterside slope.

mkhashch\_s\_20130225\_513.jpg



Levee Mile Report Line	43
Start Levee Mile	0.98
End Levee Mile	1.07
Location	Water Side
Category	
Item	Vegetation

11/10/2011 Thick vegetation on upper 20' of waterside slope.

mkhashch\_s\_20130225\_514.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	48
Start Levee Mile	1.16
End Levee Mile	1.16
Location	Water Side
Category	
Item	Encroachments

Drainage discharge into Old River.

mkhashch\_s\_20130225\_502.jpg



Levee Mile Report Line	49
Start Levee Mile	1.22
End Levee Mile	1.22
Location	Water Side
Category	
Item	Vegetation

Bamboo on waterside levee slope obstructs access and visibility.

mkhashch\_s\_20130225\_504.jpg



Levee Mile Report Line	50
Start Levee Mile	1.25
End Levee Mile	1.25
Location	Crown
Category	
Item	Crown Surface / Depressions / Rutting

11/10/2011 Depression in roadway.

mkhashch\_s\_20130225\_521.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	52
Start Levee Mile	1.26
End Levee Mile	1.26
Location	Crown
Category	
Item	Crown Surface / Depressions / Rutting
11/10/2011 Roadway depression.	
mkhashch_s_20130225_522.jpg	



Levee Mile Report Line	53
Start Levee Mile	1.38
End Levee Mile	1.38
Location	Crown
Category	
Item	Crown Surface / Depressions / Rutting
11//10/2011 Roadway depression.	
mkhashch_s_20130225_523.jpg	



Levee Mile Report Line	54
Start Levee Mile	1.43
End Levee Mile	1.43
Location	Land Side
Category	
Item	Animal Control
11/10/2011 Active rodent burrow on landside slope.	
mkhashch_s_20130225_525.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	55
Start Levee Mile	1.43
End Levee Mile	1.43
Location	Land Side
Category	
Item	Encroachments
11/10/2011 Downed tree at toe needs to be removed.	
mkhashch_s_20130225_524.jpg	



Levee Mile Report Line	56
Start Levee Mile	1.45
End Levee Mile	1.45
Location	Crown
Category	
Item	Encroachments
11/10/2011 Broken PVC pipe on waterside.	
mkhashch_s_20130225_526.jpg	



Levee Mile Report Line	56
Start Levee Mile	1.45
End Levee Mile	1.45
Location	Crown
Category	
Item	Encroachments
11/10/2011 PVC pipe on landside slope. Pipe needs to be removed.	
mkhashch_s_20130225_527.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	57
Start Levee Mile	1.46
End Levee Mile	1.46
Location	Land Side
Category	
Item	Encroachments
05/24/2011 Pipe through levee, not previously noted in inspection.	
mkhashch_s_20130225_518.jpg	



Levee Mile Report Line	58
Start Levee Mile	1.47
End Levee Mile	1.47
Location	Water Side
Category	
Item	Animal Control
11/10/2011 Deep burrow on waterside.	
mkhashch_s_20130225_528.jpg	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2013 Levee Inspection Results**

**Reclamation District No. 2089 Stark**

Waterway				Bank	Unit Miles
Unit No. 02 Salmon Slough				Right	1.37
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	05/16/2013 - 05/16/2013				
DWR Inspector	Maksim Khashchuk				
Accompanied By	Kent Gikas RD2089				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough				Right	1.37	05/16/2013 05/16/2013	Maksim Khashchuk

  

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.39		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation on the levee slope and toe are partially obstructive.	37.806543 ° -121.407549 °	37.810094 ° -121.412438 °	19
DWR ID: DWR_RD2089_02_s_2013_19										
2	0.06	0.06		Trim / Thin Trees	LS	C Ma	T4 : Trim trees over roadway to at least 12 feet above ground level. Inspector Comments: Two large oaks with hanging limbs over levee. Downed limb. 05/24/2011 photo added.	37.807108 ° -121.408488 °	37.807108 ° -121.408488 °	3
DWR ID: DWR_RD2089_02_s_2012_3										
3	0.08	0.08		Vegetation	WS	U Ma	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Thick brush may include some elderberries. 05/24/2011 updated photo.	37.807375 ° -121.408605 °	37.807375 ° -121.408605 °	4 Y
DWR ID: DWR_RD2089_02_s_2012_4										
4	0.28	0.28		Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Ground squirrel sighted and active borrowing in area.	37.809717 ° -121.410511 °	37.809717 ° -121.410511 °	24 Y
DWR ID: DWR_RD2089_02_s_2012_24										
5	0.37	0.37		Encroachments	CR	M En	FE : Fence Inspector Comments: Gates across levee.	37.810106 ° -121.412133 °	37.810106 ° -121.412133 °	2 Y
DWR ID: DWR_RD2089_02_s_2012_2										
6	0.38	0.38		Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Active burrow needs to be repaired.	37.810125 ° -121.412317 °	37.810125 ° -121.412317 °	26 Y
DWR ID: DWR_RD2089_02_s_2012_26										
7	0.40	0.66		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Tobacco leaf and other brush block access and visibility.	37.810109 ° -121.412619 °	37.812395 ° -121.415813 °	8 Y
DWR ID: DWR_RD2089_02_s_2012_8										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



# Reclamation District No. 2089 Stark

DWR ID: DWR\_RD2089\_02\_s\_2012\_37Page 2 of 13

# Reclamation District No. 2089 Stark

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
16	0.82	0.86		Vegetation	LS	U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild growth and dead underbrush prevents visibility of levee slope and area cannot be accessed if needed for a flood fight.	37.814421 ° -121.414203 °	37.814913 ° -121.414594 °	36 Y
								DWR ID: DWR_RD2089_02_s_2012_36		
17	0.85	0.85		Animal Control	WS	M Ma	A2 : Repair the levee slope damaged by livestock and prevent large animal access. Inspector Comments: Livestock have worn paths into levee slope.	37.814773 ° -121.414555 °	37.814773 ° -121.414555 °	21
								DWR ID: DWR_RD2089_02_s_2012_21		
18	0.85	0.85		Animal Control	WS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Active burrows present.	37.814844 ° -121.414566 °	37.814844 ° -121.414566 °	38
								DWR ID: DWR_RD2089_02_s_2012_38		
19	0.86	0.86		Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry and blackberry on levee slope.	37.814906 ° -121.414745 °	37.814906 ° -121.414745 °	25
								DWR ID: DWR_RD2089_02_s_2012_25		
20	0.86	0.86		Encroachments	CR	M En	FE : Fence Inspector Comments: Gate across levee crown.	37.814881 ° -121.414676 °	37.814881 ° -121.414676 °	9 Y
								DWR ID: DWR_RD2089_02_s_2012_9		
21	0.87	0.92		Animal Control	LS	U Ma	A1 : Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Numerous burrows on landside slope adjacent to hay storage area. Deep burrows in crown and land side ramp.	37.814997 ° -121.414774 °	37.814970 ° -121.415767 °	40 Y
								DWR ID: DWR_RD2089_02_s_2012_40		
22	0.95	0.95		Encroachments	WS	M Ma	PI : Pipe Inspector Comments: Debris/CMP on levee slope needsto be removed.	37.814940 ° -121.416499 °	37.814940 ° -121.416499 °	41 Y
								DWR ID: DWR_RD2089_02_s_2012_41		
23	0.99	0.99		Encroachments	LS	M En	BU : Building Inspector Comments: Move the mobile home at least 15 feet away from the landside levee toe.	° °	° °	5 Y
								DWR ID: DWR_RD2089_02_s_2013_5		
24	0.99	0.99		Encroachments	LS	M Ma	DE : Debris	37.814990 ° -121.416999 °	37.814990 ° -121.416999 °	28 Y
								DWR ID: DWR_RD2089_02_s_2012_28		
25	1.02	1.14		Trim / Thin Trees	LS	C Ma	T1 : Trim trees to at least five feet above ground level.	37.815160 ° -121.417474 °	37.816499 ° -121.418824 °	42
								DWR ID: DWR_RD2089_02_s_2012_42		
26	1.07	1.07		Trim / Thin Trees	WS	N Ma	T5 : Tree stumps. Inspector Comments: 14" dia stump. Could not verify overgrown with high weeds.	37.815629 ° -121.418133 °	37.815629 ° -121.418133 °	29 Y
								DWR ID: DWR_RD2089_02_s_2012_29		

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	N : Not Inspected/Rated	Ob : Design & System Obsolescence
CR : Crown	M : Minimally Acceptable	En : Enforcement
	C : Corrected	
	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

# Reclamation District No. 2089 Stark

DWR ID: DWR RD2089 02 s 2012 32

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	3
Start Levee Mile	0.08
End Levee Mile	0.08
Location	Water Side
Category	
Item	Vegetation
Fall 2009 photo of unacceptable vegetation on levee slope.	
mkhashch_s_20130225_541.jpg	



Levee Mile Report Line	3
Start Levee Mile	0.08
End Levee Mile	0.08
Location	Water Side
Category	
Item	Vegetation
05/24/2011 Updated photo of issue noted in Fall 2010 inspection.	
mkhashch_s_20130225_542.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.28
End Levee Mile	0.28
Location	Land Side
Category	
Item	Animal Control
05/24/2011 Active burrows, ground squirrel sighted in area.	
mkhashch_s_20130225_552.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	5
Start Levee Mile	0.37
End Levee Mile	0.37
Location	Crown
Category	
Item	Encroachments

View of gate across levee crown.

mkhashch\_s\_20130225\_539.JPG



Levee Mile Report Line	6
Start Levee Mile	0.38
End Levee Mile	0.38
Location	Land Side
Category	
Item	Animal Control

05/24/2011 Active rodent burrow.

mkhashch\_s\_20130225\_553.jpg



Levee Mile Report Line	7
Start Levee Mile	0.40
End Levee Mile	0.66
Location	Land Side
Category	
Item	Vegetation

Fall 2009 photo: Brush on landside toe limits visibility and accessibility.

mkhashch\_s\_20130225\_543.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	7
Start Levee Mile	0.40
End Levee Mile	0.66
Location	Land Side
Category	
Item	Vegetation
Brush on landside slope limits access.	
mkhashch_s_20130225_544.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Close view of the site	
mkhashch_s_20130225_538.jpg	



Levee Mile Report Line	9
Start Levee Mile	0.46
End Levee Mile	0.46
Location	Water Side
Category	
Item	Encroachments
05/24/2011 Portable toilet is in the shadows in the center of the photo at the water's edge.	
mkhashch_s_20130225_554.jpg	

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
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En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	10
Start Levee Mile	0.49
End Levee Mile	0.49
Location	Crown
Category	
Item	Animal Control
11/10/2011 Two large burrows on crown, need to be filled.	
mkhashch_s_20130225_547.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.49
End Levee Mile	0.49
Location	Crown
Category	
Item	Crown Surface / Depressions / Rutting
11/10/2011 Depression in crown needs to be filled.	
mkhashch_s_20130225_545.jpg	



Levee Mile Report Line	12
Start Levee Mile	0.54
End Levee Mile	0.54
Location	Water Side
Category	
Item	Animal Control
11/10/2011 Approximately 1' scarp has been created by livestock travel.	
mkhashch_s_20130225_548.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	13
Start Levee Mile	0.56
End Levee Mile	0.56
Location	Water Side
Category	
Item	Encroachments

Irrigation intake pump and pipe at waterside slope.

mkhashch\_s\_20130225\_546.jpg



Levee Mile Report Line	14
Start Levee Mile	0.70
End Levee Mile	0.70
Location	Water Side
Category	
Item	Trim / Thin Trees

View of low hanging branches over waterside slope and crown. 05/24/2012

mkhashch\_s\_20130225\_564.jpg



Levee Mile Report Line	16
Start Levee Mile	0.82
End Levee Mile	0.86
Location	Land Side
Category	
Item	Vegetation

05/24/2011 Extremely thick dead brush prevents access and visibility.

mkhashch\_s\_20130225\_557.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	20
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Crown
Category	
Item	Encroachments

View of the fence gate across levee crown.

mkhashch\_s\_20130520\_742.JPG



Levee Mile Report Line	21
Start Levee Mile	0.87
End Levee Mile	0.92
Location	Land Side
Category	
Item	Animal Control

05/24/2011 Deep vertical burrow in levee crown.

mkhashch\_s\_20130225\_559.jpg



Levee Mile Report Line	21
Start Levee Mile	0.87
End Levee Mile	0.92
Location	Land Side
Category	
Item	Animal Control

05/24/2011 Deep vertical burrow in ramp on land side of levee.

mkhashch\_s\_20130225\_560.jpg



**\* Location**

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CR : Crown

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	22
Start Levee Mile	0.95
End Levee Mile	0.95
Location	Water Side
Category	
Item	Encroachments
05/24/2011 Old CMP left on waterside levee slope, needs to be removed.	
mkhashch_s_20130225_561.jpg	



Levee Mile Report Line	23
Start Levee Mile	0.99
End Levee Mile	0.99
Location	Land Side
Category	
Item	Encroachments
View of the mobile home at the landside toe.	
mkhashch_s_20130520_741.JPG	



Levee Mile Report Line	24
Start Levee Mile	0.99
End Levee Mile	0.99
Location	Land Side
Category	
Item	Encroachments
05/24/2011 Concrete and metal debris at landside toe needs to be removed.	
mkhashch_s_20130225_555.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	26
Start Levee Mile	1.07
End Levee Mile	1.07
Location	Water Side
Category	
Item	Trim / Thin Trees
Tree stump >2" left after vegetation and tree removal.	
mkhashch_s_20130225_556.jpg	



Levee Mile Report Line	27
Start Levee Mile	1.10
End Levee Mile	1.10
Location	Water Side
Category	
Item	Encroachments
View of water tanks disposed on waterside slope.	
mkhashch_s_20130225_549.jpg	



Levee Mile Report Line	30
Start Levee Mile	1.28
End Levee Mile	1.33
Location	Land Side
Category	
Item	Encroachments
Fall 2009 photo: Boat and equipment stored within 10-ft of levee slope are an encroachment.	
mkhashch_s_20130225_550.jpg	

**\* Location**

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 2089 Stark**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	05/16/2013 05/16/2013	Maksim Khashchuk

Levee Mile Report Line	30
Start Levee Mile	1.28
End Levee Mile	1.33
Location	Land Side
Category	
Item	Encroachments

Fall 2009 photo: Buildings and patio decks are built within 10-ft of the levee slope.

mkhashch\_s\_20130225\_551.jpg



* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable	Ob : Design & System Obsolescence
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